

CABOT'S
CLEAR BRICK WATERPROOFING
CLEAR CEMENT WATERPROOFING



Roxbury Latin School, Boston, Mass. Architects, Perry, Shaw & Hepburn
Brickwork treated with Cabot's Clear Brick Waterproofing

A. I. A. File No. 7b

Keep Walls Dry with

Cabot's Clear Brick Waterproofing . . .

Cabot's Clear Cement Waterproofing . .

A THOROUGHLY waterproofed masonry wall is lighter and safer than one which can absorb moisture.

A perfectly dry wall, not waterproofed, may be saturated completely with water in twenty-four hours. Under normal summer conditions of heat and humidity, but with no fall of rain in the meantime, it will then take ninety days to dry out.

A common brick will absorb a pint of water, and a pint of water weighs about a pound. Multiply the number of bricks in a building by pounds and an idea may be gained of the added weight of a rain-soaked building, and the amount of dampness which it will take up. Untreated cement and stucco are in some cases even more absorbent. The moisture in a saturated wall sets up a pressure at the base of the wall approximately equal to that of a water column of the same height.

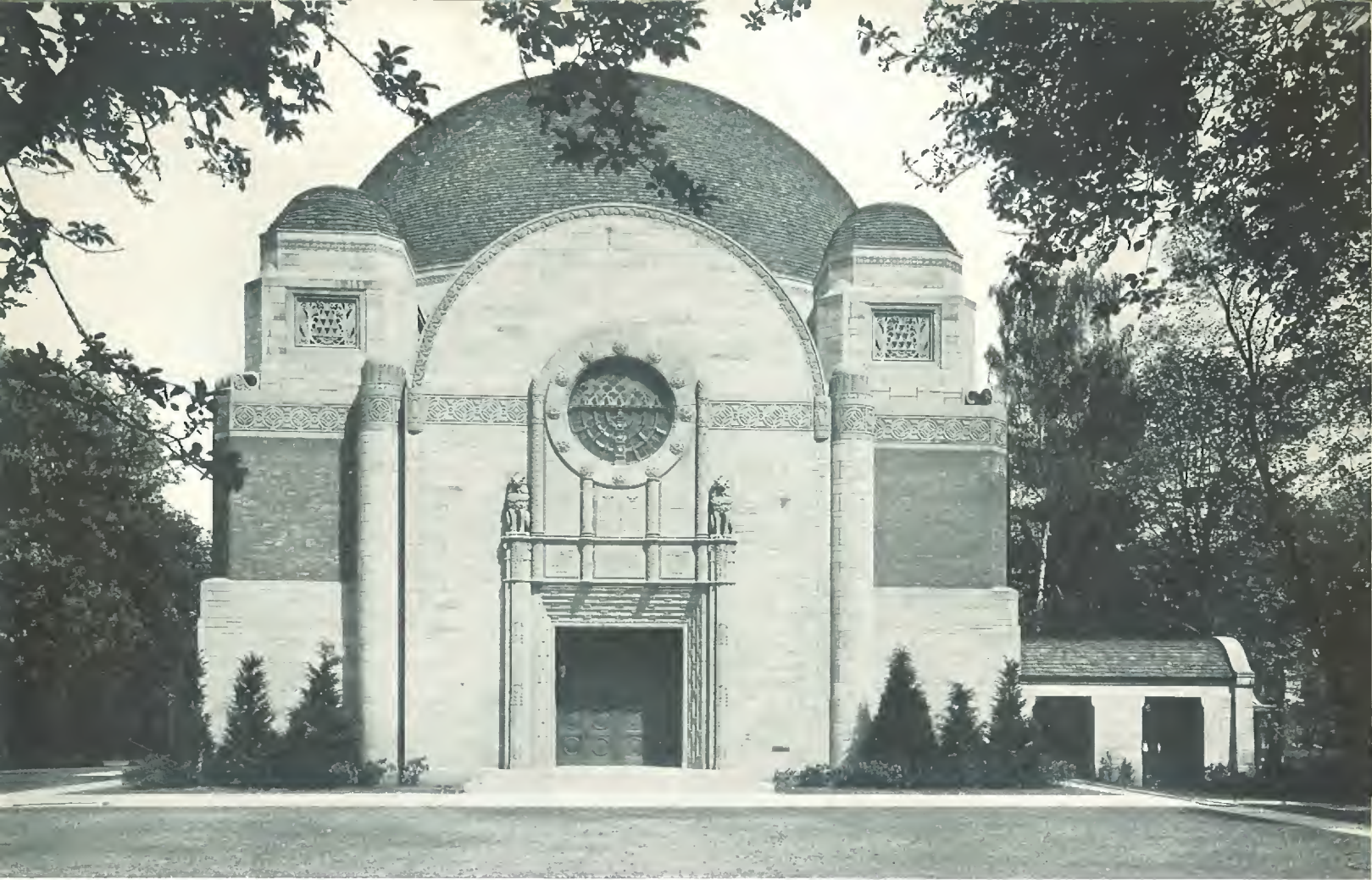
It is clear that porous, unwaterproofed walls are always partially saturated with moisture. Near their base there will always be a substantial and possibly a very great water pressure. This must escape out through outside walls or enter the inside, and often causes much damage. It is of little use to prevent the water already in the walls from breaking through the interior surface. *It is far better to prevent the moisture from entering, by means of effective exterior waterproofing.*

Because the character of the surface, the texture, and the porosity of cement and brickwork are entirely different, the same clear waterproofing cannot be equally good for both. That is why we make a different clear waterproofing for each surface. The harder, coarser particles, the widely varying proportions of cement to sand in the mix, the differences between poured concrete, concrete blocks and stucco all combine to make it impossible to put them upon the same plane as brickwork where waterproofing is concerned. In order to give the best results upon each surface we have therefore made two different waterproofings, each one especially made to suit the surface for which it is intended:

Cabot's Clear Brick Waterproofing: For all Red Brickwork, Sandstone and similar dark porous surfaces.

Cabot's Clear Cement Waterproofing: For Stucco, Concrete, Cast Stone, and other light, porous surfaces.

*See Inside of Back Cover
for Architects' Specifications*



Temple Beth Israel, Portland, Oregon. Morris Whitehouse, Herman Brookman, John V. Bennes, Harry A. Herzog, Associate Architects. Stonework treated with Cabot's Clear Cement Waterproofing. Brickwork treated with Cabot's Clear Brick Waterproofing.

Cabot's Clear Brick Waterproofing

CABOT's Clear Brick Waterproofing is based on a natural water-repellent: a wax created and employed by nature for waterproofing purposes, which is dissolved in a penetrating solvent that carries the waterproofing wax deeply into the pores of brick, sandstone, etc., and seals them. It does not deteriorate with age and the results are permanent. In this respect ours is much superior to such common methods as treatment with boiled linseed oil. It is also much more waterproof—one coat being equal to about three of oil—and it goes farther. It is therefore cheaper in first cost and much cheaper in the end, because linseed oil oxidizes rapidly, requiring re-treatment every two or three years. The same is even more true of the

multitude of transient waterproofings which are constantly appearing and disappearing; soapy solutions that leach out, paraffin solutions that oxidize and become friable, so-called "mineral waxes" that do the same; and most all of which blacken upon exposure, leaving a dirty, ugly surface.

Cabot's Clear Brick Waterproofing has been used all over the country for more than forty years, under all conditions of climate and on all qualities of brick. Cabot's Clear Brick Waterproofing is colorless when applied to red or other dark brick or sandstone, but should not be used on white, gray or yellow brick, or on cement, stucco or limestone.



Country Club Apartment
Hotel, South Shore Drive,
Chicago.

Waterproofed with Cabot's
Clear Brick Waterproofing.

A Letter from a Home Owner

"IF IT is of any value to your Company to have a word of praise for your Waterproof Colorless Brick Preservative, I should like to state what my experience has been. As you know, my house has only eight-inch walls, and for the seven years it has been built there has never been the slightest sign of moisture inside the walls."

R. FISKE, Needham, Mass.



St. Laurence College of Capuchin Fathers, Mt. Calvary, Wisconsin.

Waterproofed with Cabot's Clear Brick Waterproofing.

Prevention of Efflorescence on Brickwork . . .

A THOROUGHLY waterproofed brick surface is usually free from saline efflorescence, that bugaboo of architects and builders. For many years it was almost impossible to avoid the chance of these unsightly white stains on brick walls, due to the salts of the clay being dissolved by the rain and brought to the surface. Cabot's Clear Brick Waterproofing has been especially successful in preventing this on brickwork by thoroughly waterproofing the surface, thereby stopping the leaching out of whatever salts the brick may contain.

An Example of Successful Use in Preventing Efflorescence

"DEAR SIR: Our Master of Bridges and Buildings reports as follows: 'We tried this Brick Preservative on our station at Ste. Hyacinthe and the results are quite satisfactory. In preventing white spots showing through the bricks, the Preservative has done just what was claimed for it, and I can cheerfully recommend it as a first-class material.' "

G. C. JONES, Supt. Eastern Division
Grand Trunk Railway System

See Inside Back Cover for Architects' Specifications for Prevention of Saline Efflorescence on Brick with Cabot's Clear Brick Waterproofing.



A Letter from the Waterproofing Contractor

"I SPENT a few thousand dollars to try to prevent leaks from coming thru the brickwork in the Windemere and Gladmere Court Apartments and was unsuccessful.

"Mr. Leh, of the Samuel Cabot, Inc., recommended Cabot's Clear Brick Waterproofing and I used it on two buildings, the Windemere and Green Manor Apartments, and it stopped the leaks immediately. I

Windemere Court Apartments, 48th and Walnut Streets, Philadelphia, Pa.

Stetler and Deysher, Architects. All brickwork waterproofed with Cabot's Clear Brick Waterproofing. Cast stonework waterproofed with Cabot's Clear Cement Waterproofing.

had no further trouble. I, personally, recommend very strongly the use of the brick waterproofing to stop leaks. The expense is small considering the results.

"Again recommending Cabot's Clear Brick Waterproofing, I am

Very truly yours,
THE MAGEN HARDWARE COMPANY."



Bienville Hotel, New Orleans, Louisiana.

Waterproofed with Cabot's Clear Brick Waterproofing.



(Above) St. Augustine's Church, Newport, R. I.

Architect, John F. Hogan, Providence. Five years ago Cabot's Clear Brick Waterproofing was applied to stop leaks that were showing. No leakage has been apparent since.

"DEAR SIR: Fourteen years ago I used your Brick Preservative on the north wall of my house on Beacon Street. This wall was very much exposed to the north and northeast, and I have been much troubled by water soaking through the

bricks. Since I put on your preservative I have had no trouble whatever, and have found it an absolutely perfect remedy for porous bricks."

CHARLES HEAD.

Residence of Charles H. Muhlenberg, Architect, of Reading, Pa.

Brick walls waterproofed with Cabot's Clear Brick Waterproofing. Other Cabot products used include: Cabot's Insulating Quilt, in all exterior walls and roof; DOUBLE-WHITE on exterior woodwork and trim; Cabot's Interior Flat Collopakes and White Collopake Enamel for inside finish. (For description of these materials, please see back cover.)





Indiana State Library
Historical Building,
Indianapolis, Ind.

Pierre & Wright, Architects. Waterproofed with Cabot's Clear Cement Waterproofing, after prolonged and exhaustive testing of this and other materials.

The Economy of Permanence

TEMPORARY waterproofing is easy. There are hundreds of soapy solutions that at first seem to carry out the waterproofing promises of their promoters, but like all soaps they are soluble and an apparently satisfactory result soon relapses into its former absorbent and leaky condition. In the meantime, also, they have caught and held all the soot, dust and dirt, of which nothing but drastic washing down will relieve them—and when you wash down a soapy surface, what happens?

The fundamental objection to linseed oil as an exterior waterproofing is that its effectiveness lasts but a few years. It is far superior, however, to these mystery-enshrouded soapy compounds whose weaknesses may be developed while you wait.

Eighty per cent, or more, of the cost of a waterproofing job is labor. If you try to save money by

using a cheap waterproofing and, perhaps, cut the whole cost 5%, where is that "saving" when the whole job has to be done over? Is there any cheaper or better insurance than in investing this 5% in the certainty of the effectiveness and permanence of the real thing that you are buying—waterproofing?

Cabot's Waterproofings are products of our research laboratory, where the objective in this case was to produce not only an effective waterproofing but one that would overcome those fatal weaknesses of common waterproofings—oxidation, friability and solubility in water. They have been in use now for thirty to forty years in all parts of the world and under all climatic conditions, and they have been successful to a degree that we believe has never been equaled. The test of actual experience under practical handling and conditions is the only safe guide, and that test our waterproofings have stood without failure.



Steamship Piers, Hoboken, New Jersey.

Waterproofed with Clear Brick Waterproofing after two years' tests against other waterproofings.

For Industrial Work

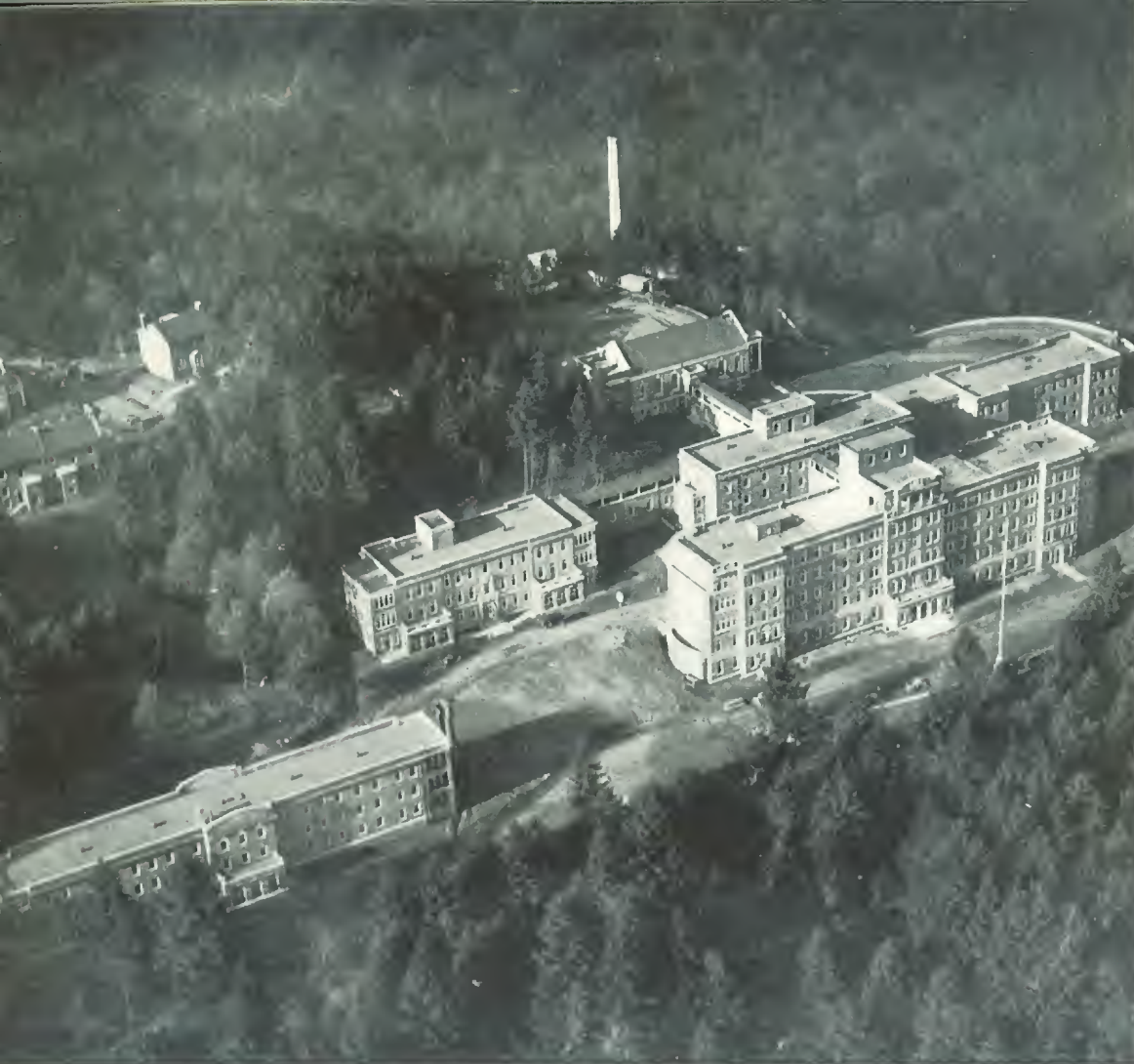
BRICK industrial buildings often have very large, plain exterior surfaces which are subject to rapid deterioration if not properly waterproofed. Cabot's Clear Brick Waterproofing preserves industrial buildings from deterioration and keeps their appearance at its best.

Thorough waterproofing with Cabot's Clear Brick Waterproofing shows a direct saving on new and old industrial buildings. This saving will become greater as time goes on.



United States Chamber of Commerce Building, Washington, D. C.

Architect, Cass Gilbert, of New York City. Yellow brick on side and rear walls protected with Cabot's Clear Cement Waterproofing.



U. S. Veterans' Hospital, Portland, Oregon.

Brickwork on all buildings treated with Cabot's Clear Brick Waterproofing, stonework with Cabot's Cement Waterproofing.

Six Advantages of Cabot's Clear Brick and Clear Cement Waterproofings

A BUILDING waterproofed with Cabot's Clear Brick Waterproofing or Clear Cement Waterproofing has these advantages:

- 1 It conserves the health of its occupants by shutting out dampness.
- 2 The building is warmer in winter and cooler in summer because there is no water in the walls to act as a heat conductor. Thus, the insulation is more complete.
- 3 The wall surface will not disintegrate and crumble. A damp wall in cold climate is constantly freezing and thawing all winter (this is why non-waterproofed chimneys go to pieces so fast).
- 4 There will be no unsightly efflorescence.
- 5 The building is lighter because there is no huge weight-increase through absorbed water.
- 6 Interior plaster, wall paper, woodwork and hangings are preserved because the dampness is shut out.



Church of the Holy Child,
Philadelphia.

1930 Medal Philadelphia
Chapter, A. I. A. Thomas I.
Lovatt, Architect. Formigli
Architectural Stone Company,
Contractor. All cast stone treated
with Cabot's Clear Cement
Waterproofing.

Cabot's Clear Cement Waterproofing

What It Is—The waterproofing ingredients of Cabot's Clear Cement Waterproofing are isolated from materials produced by nature for the purpose and chemically treated so as to be unaffected and unharmed by the alkaline lime salts found in cement and stucco. These have been brought into solution in an organic solvent. The waterproofing is transparent so as not to darken surfaces like light stone, light cement and limestone.

What It Does—Cabot's Clear Cement Waterproofing fills and seals all the voids and porosity in cement and stucco walls. Cement and stucco surfaces are much rougher than

brick and much more porous. The pores must be filled or the job is a failure. The Clear Cement Waterproofing is so fluid that it runs into every hole and void, even in the roughest stucco—and waterproofs and rainproofs the entire surface even if it is poorly troweled. More than 40 years of actual experience in the field has proved that this is a fact.

The penetration and liquidity have been still further greatly increased as a result of recent chemical research. Cabot's Clear Cement Waterproofing is applied after the wall is finished and is not an integral waterproofing. Consequently, it seals all cracks and joints as well as the surface of the material itself.

Girard Trust Company Building,
1400 South Penn Square, Phila-
delphia, Pa.

McKim, Meade & White, Architects.
United Engineers & Constructors, Inc.,
General Contractors and Builders.
Henry S. Rau Co., Inc., Painting Con-
tractors. Cabot's Clear Cement Water-
proofing used on ornamental cast stone
parapet embellishments.

Cast Stone Work

AN IMPORTANT and ever in-
creasing use for Cabot's Clear
Cement Waterproofing is to
waterproof cast stone. One of
the problems in the effective use
of cast stone has been its some-
what greater absorbency and
greater tendency to stain. Cabot's
Waterproofing has made possible
the use of cast stone in large,
beautiful and permanent struc-
tures, waterproofing the entire
structure, increasing the life of
the material and shutting out all
dampness from the interior. The
photographs shown here of the
two fine churches, and the
Temple Beth Israel indicate what
can be done with cast stone
when it is properly waterproofed.

Residence of the
Late Cyrus H. K.
Curtis, Wyncote,
Pa.

Limestone walls
waterproofed with
Cabot's Clear Cement
Waterproofing. Caulking,
painting and waterproofing
by Robert Montgomery
& Co., Chestnut Hill.



For Waterproofing Stucco . . .

THE large pores of stucco present a particularly difficult waterproofing problem. These pores must be filled or the job is a failure. An unwaterproofed stucco wall soaks through every time there is a rain. This disintegrates the stucco and as time goes on leaves ugly stains. The tendency to collect dust, soot, etc., is also greatly increased. Certain types of integral waterproofings, mixed with cement, do not fill the pores uniformly, because they cannot be uniformly mixed and because the water used in mixing leaves some open pores when it dries out. Under these circumstances a thin layer of stucco is sure to have many spots where the rain can go through. A wall that is waterproofed only in spots is not waterproofed at all. Cabot's Clear Cement Waterproofing, applied after the wall is completed, effectively waterproofs the entire surface.

On Limestone

SOME of the finest buildings in the United States are faced with limestone. The particular beauty of this material is rapidly dulled and the surface tends to become extremely dingy if it is not well waterproofed. Cabot's Clear Cement Waterproofing does this completely without altering the color of the stone, doing away with the necessity of as frequent cleaning as would be required in an unwaterproofed wall.

" . . . as a result of the tests . . . we feel that we can include your waterproofings among the several that we customarily recommend. . . ."

INDIANA LIMESTONE CO.



House of Mrs. Samuel P.
Rotan, Chestnut Hill, Pa.

Architect, Robert R. McGoodwin, of Philadelphia. Waterproofing and caulking by W. Cress Wortman. All brick and heavy timber treated with Cabot's Clear Brick Waterproofing.



How an Incomplete Waterproofing Job Led to a Complete One

A FEW years ago, the Tharp-Sontheimer Funeral Home was built in New Orleans. It was a stucco building with window bays of white cement cast stone.

The stone was pre-treated with Cabot's Clear Cement Waterproofing as the only material that would waterproof and not stain the cement.

The architect complained that the window bays were leaking.

Various investigations were made to discover the reason.

Christ Lutheran Church, Hazelton, Pa. Thomas, Martin & Kirkpatrick, Architects, Philadelphia, Pa. Cabot's Clear Cement Waterproofing used on all cast stone inside and out by Formigli Architectural Stone Company, Philadelphia, Pa. Cabot's Quilt is used for sound-deadening.

The agent of Samuel Cabot, Inc., examined the job and found no penetration through the cast stone, but leakage through joints and in other places.

Very heavy rains immediately following showed leaks through joints and through brick wall at rear, but treated cast stone was "bottle-tight."

The architect has stated that as soon as the walls are dried out he would have the *whole building* treated with Cabot's Clear Brick and Clear Cement Waterproofing.

Specifications for

Application of Cabot's Waterproofings

Cabot's Clear Brick Waterproofing

ALL exterior brick walls, including joints, shall be waterproofed with Cabot's Clear Brick Waterproofing. Apply only to structurally sound, clean, dry surfaces with a brush, like paint, or with a spray gun. Two coats are usually sufficient, but not more should be applied than the brick and joints will absorb, and no coating should remain on the surface.

Covering Capacity: One gallon will cover from 200 to 300 square feet, two coats, on common brick of average quality, and from 300 to 400 square feet on face brick.

Prevention of Efflorescence

ALL brick walls on which efflorescence of salts or mortar stains have appeared shall be washed with a weak muriatic solution, following which the surface shall be rinsed with clean water and allowed to dry. Cabot's Clear Brick Waterproofing then shall be applied with a brush, like paint, or with a spray gun. Only as much waterproofing shall be applied as is necessary to fill all the pores and no coating should remain on the surface.

Cabot's Clear Cement Waterproofing

ALL exterior (concrete) (cast stone) (stucco) (limestone) (light colored brick) surfaces, including joints, shall be waterproofed with Cabot's Clear Cement Waterproofing.

Apply only to structurally sound, clean, dry surfaces with a brush, like paint, or with a spray gun.

Only as much waterproofing shall be applied as is necessary to fill all pores, and no more; but, if the surface is not uniform and some parts are more porous than others, care should be taken to apply sufficient waterproofing to fill all places. No coating should remain on the surface.

Covering Capacity: One gallon will cover from 200 to 300 square feet, two coats, on smooth concrete, brick or stone, and from 100 to 200 square feet, two coats, on stucco or rough cast, depending upon character and condition of the surface.

Cabot's Specialties

For economical preservation, increase of comfort and beauty in homes and other buildings.

Creosote Shingle Stains: The Stains with a National Reputation. Used for fifty years, these Stains contain the finest and purest pigments, colloiddally dissolved in pure undiluted Creosote Oils, which preserve the wood. An unsurpassed finish for exterior woodwork.

Heavy-Bodied Shingle Stains: All the fine qualities of the Creosote Stains in a non-Creosote, heavily pigmented Stain that hides the surface, doing away with any unattractive painty look.

Interior Stains: These have the same attractive colors and lasting properties as the Creosote Stains, but the vehicle is a light non-Creosote oil, which makes them suitable for inside use.

Stucco and Brick Stains: Semi-flat waterproof stains that penetrate deeply into brick, stone, or stucco. They preserve and beautify the surface without masking its texture.

COLLOPAKES: For use everywhere in place of ordinary paint.

Gloss Collopakes: primarily for outside work, are fresh, lively colors far superior to common paint in covering power and durability. They are especially well-known in the non-fading Greens and Browns.

Pastel Collopakes: Flat washable colors for plaster and interior woodwork. Show no brush marks.

DOUBLE-WHITE: A heavy semi-gloss white Collopake with remarkable covering and hiding power. It is whiter than white lead and stays white.

White Collopake Enamel: A new type of white enamel for use indoors or out, on wood or metal. Easily tinted with Gloss Collopakes.

Roofing Collopakes: Paints for Prepared Roofing, Asphalt and Asbestos Shingles, Slate, Tile, etc. Wonderful paints for metal.

DECK & FLOOR Collopakes: To give a hard, glossy, enamel finish on floors, decks, porches, and porch furniture. Dry in from six to ten hours.

Old Virginia White: A semi-flat Collopake white giving a durable whitewash effect on brick walls and exterior woodwork.

Casein Coating: A washable flat paint for use on all interior surfaces, including wood, plaster, stucco, brick, concrete, and metal. This paint has great hiding and covering power, dries rapidly, and gives a clean, bright finish.

Clear Brick and Clear Cement Waterproofings: Transparent liquid waterproofings for shutting out moisture.

Conserve Wood Preservative: A specially refined Creosote Oil that prevents decay in wood and protects it from termites and other vermin.

Flexiblac: An elastic glossy black paint for protecting iron and steel.

Stained Shingles: The highest grade shingles stained with Cabot's Creosote Stains or Cabot's Heavy-Bodied Shingle Stains.

Insulating "Quilt": For insulating your house against heat, cold, and noise. Fire-resistant and vermin-proof.

For color cards and further information please write to

Samuel Cabot
Inc.

Manufacturing Chemists

141 Milk Street, Boston, Mass.

NEW YORK

PHILADELPHIA

CHICAGO